

Machine Id
823338
Component
Rear Diesel Engine
Fluid
PETRO CANADA DURON HP 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons de rincer complètement le composant avant de le remplir l'huile. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Veuillez noter que l'huile était trop épaisse pour permettre d'effectuer certains des tests habituels de laboratoire.

Wear

Les taux d'usure de tous les composants sont normaux.

Contamination

Le test de glycol est positif.

Fluid Condition

l'huile ne peut plus être utilisée en raison de la présence de contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PC0086818	PC0079705	PC0074442
Sample Date	Client Info		20 Mar 2024	15 Dec 2023	18 Sep 2023
Machine Age	kms	Client Info	875035	857107	840916
Oil Age	kms	Client Info	7318	16191	22676
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			SEVERE	SEVERE	SEVERE

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	<1.0	<1.0
Water	WC Method	>0.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>100	70	86	▲ 210
Chromium	ppm	ASTM D5185(m)	>20	<1	6	▲ 20
Nickel	ppm	ASTM D5185(m)	>4	0	1	4
Titanium	ppm	ASTM D5185(m)		0	0	2
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	<1	11	▲ 52
Lead	ppm	ASTM D5185(m)	>40	<1	20	13
Copper	ppm	ASTM D5185(m)	>330	<1	9	11
Tin	ppm	ASTM D5185(m)	>15	0	1	1
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	0	50	210	122
Barium	ppm	ASTM D5185(m)	0	0	<1	<1
Molybdenum	ppm	ASTM D5185(m)	60	390	182	83
Manganese	ppm	ASTM D5185(m)	0	0	<1	2
Magnesium	ppm	ASTM D5185(m)	1010	800	643	843
Calcium	ppm	ASTM D5185(m)	1070	890	854	1083
Phosphorus	ppm	ASTM D5185(m)	1150	940	826	903
Zinc	ppm	ASTM D5185(m)	1270	1020	941	1069
Sulfur	ppm	ASTM D5185(m)	2060	2450	2250	2512
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

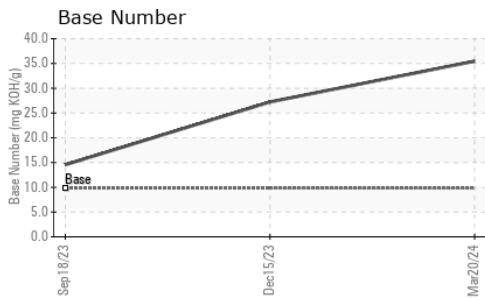
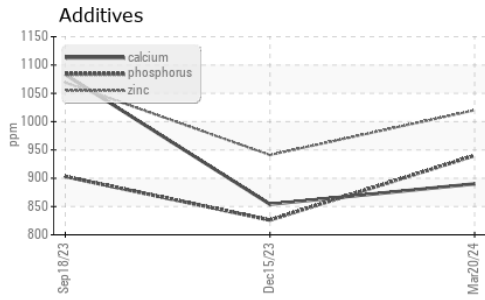
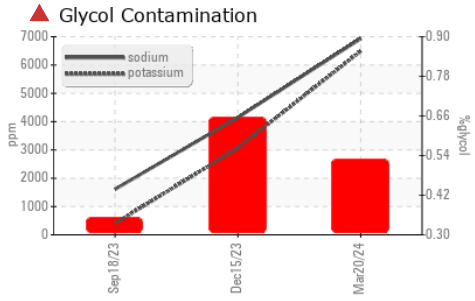
CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	70	102	101
Sodium	ppm	ASTM D5185(m)		● 6930	● 4146	● 1610
Potassium	ppm	ASTM D5185(m)	>20	▲ 6490	▲ 3062	▲ 401
Glycol	%	ASTM D7922*		▲ 0.528	▲ 0.654	▲ 0.351

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Base Number (BN)	mg KOH/g	ASTM D2896*	9.8	35.46	27.23	14.56

OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	NORML

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0086818
Lab Number : **02635916**
Unique Number : 5785078
Test Package : TEST (Additional Tests: ICP, TBN)

Received : 15 May 2024
Tested : 17 May 2024
Diagnosed : 17 May 2024 - Kevin Marson

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

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